

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/42077

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A47C 7/50; B60N 3/06

US CL : 297/423,2, 423.21, 423.23, 423.28, 423,3 423,37; 296/75

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 297/423,2, 423.21, 423.23, 423.28, 423,3 423,37; 296/75

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-------------|--|--|
| X — Y | US 1,435,744 A (SANTANIELLO) 14 November 1922 (14.11.1922), entire document | 1, 9-12, and 14 — 13, 15, and 16 |
| X — Y | US 2,481,970 A (BELL) 13 September 1949 (13.09.1949), entire document | 17, 18, and 21 — 2-8 |
| X — Y | JP 200352775 A (ITO et al) 25 February 2003 (25.02.2003), entire document | 5 — 2-8 |
| Y | JP 09295534 A (KISHI et al) 18 November 1997 (18.11.1997), entire document | 13, 15, and 16 |
| Y | US 5,967,602 A (PTAK et al) 19 October 1999 (19.10.1999), entire document | 19 and 20 |
| A | US 1,487,495 A (GERMETEN et al) 18 March 1924 (18.03.1924), entire document | 1-21 |



Further documents are listed in the continuation of Box C.



See patent family annex.

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| * Special categories of cited documents: | |
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| "E" earlier application or patent published on or after the international filing date | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "O" document referring to an oral disclosure, use, exhibition or other means | "&" document member of the same patent family |
| "P" document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search

09 June 2005 (09.06.2005)

Date of mailing of the international search report

02 SEP 2005

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | US 3,936,093 A (HOGAN) 03 February 1976 (03.02.1976), entire document | 1-21 |
| A | JP 08113066 A (KITANO) 05 July 1996 (05.07.1996), entire document | 1-21 |
| A | US 6,375,266 B1 (FERGUSON et al) 23 April 2002 (23.04.2002), entire document | 1-21 |
| A | US 6,241,301 B1 (SPETH et al) 05 June 2001 (05.06.2001), entire document | 1-21 |
| A | US 6,283,529 B2 (KITAGAWA) 04 September 2001 (04.09.2001), entire document | 1-21 |